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interpolation kernel

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AST_UKERN1 - 1-dimensional sub-pixel interpolation kernel

... AST_UKERN1 - 1-dimensional sub-pixel interpolation kernel. ... This allows you to use your own interpolation kernel in addition to those which are pre-defined. ...

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astUkern1 - 1-dimensional sub-pixel interpolation kernel

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Choice of interpolation kernel

Choice of interpolation kernel. The choice of the interpolating kernel can have a substantial effect on the performance of a nearest-neighbours classifier. ...

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Design method of interpolation kernel using piecewise th polynomials n † Akihiro Honma, and †† Naoyuki Aikawa † Graduate School of Engineering, Nihon ...

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A study of extended Quadratic interpolation kernel

... A study of extended Quadratic interpolation kernel. Umeda Taichi ×1 , Aikawa

Naoyuki ×2. ... These interpolation methods are represented by kernel function. ...

www.ipsj.or.jp/members/SIGNotes/Eng/19/2000/031/article004.html - 4k - [Cached](#) - [Similar pages](#)

Citations: A Digital Signal Processing Approach to Signal ...

... KERNEL A magnified image can be obtained by expanding the samples of a low resolution image] 2 1 nxl and convolving with a sampled interpolation kernel [22]. ...

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Introduction

... The choice of the interpolation kernel (especially its length) requires a trade-off between interpolation accuracy and computational efficiency. ...

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... operations. From sampling theory, it follows that the ideal interpolation kernel is the sinc function, which is of infinite extent. In ...

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... to be zero for all other values of k. In this section we study the sinc-approximating prop- erties of the Lagrange central interpolation kernel, h L . Both the ...

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... The most commonly considered criteria when selecting an interpolation kernel is that of required degree of smoothness of the interpolated signal. ...

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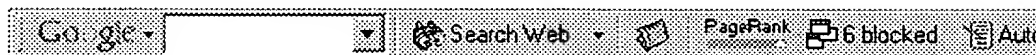
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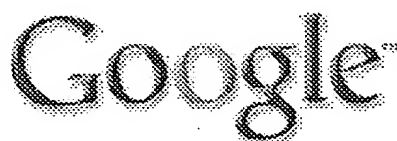
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Experimental results

... The **interpolation** kernels nearest neighbor, piecewise linear, 4-point and 6-point ... For every **kernel** the interferometric phase error, the phase error histogram ...

www.geo.tudelft.nl/fmr/research/insar/dig/bibliography/papers/interp/node4.html - 7k - [Cached](#) - [Similar pages](#)

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Citations: An edgerestricted spatial **interpolation** algorithm - ...

... Multiple kernels for **interpolation** analyze local image statistics in order to determine an appropriate **interpolation kernel** for the region under consideration ...

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[PDF] Microsoft PowerPoint - 10_volumeRender_splatting.ppt

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... spherical When projected on the screen window, the footprint becomes an ellipse

6 Splatting Volume = field of 3D **interpolation kernel** - One **kernel** at each ...

www.cs.purdue.edu/hornes/sun/Teach/530_01S/Notes/10_volumeRender_splatting.pdf - [Similar pages](#)

Miscellaneous reconstruction methods

... In a follow-up paper [36] they further derive the ninth order **interpolation kernel** with an optimal parameter value of . Again they ...

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vtkWindowedSincPolyDataFilter class Reference

... adjust point positions using a windowed sinc function **interpolation kernel**. More... ... adjust point positions using a windowed sinc function **interpolation kernel**. ...

www.vtk.org/doc/release/4.0/html/classvtkWindowedSincPolyDataFilter.html - 56k - [Cached](#) - [Similar pages](#)

[PDF] Complete parameterization of piecewise-polynomial **interpolation** ...

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... Member, IEEE, Philippe Thévenaz, Member, IEEE, and Michael Unser, Fellow, IEEE Abstract—Every now and then, a new design of an **interpolation kernel** shows up ...

bigwww.epfl.ch/publications/blu0302.pdf - [Similar pages](#)

[PDF] Complete **interpolation** kernels on discrete semigroup bundles

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... about H^∞ or the Szegő kernel; the analogous conditions are necessary for **interpolation** by contractive multipliers on any reproducing **kernel** Hilbert space. ...

www.math.purdue.edu/~jury/papers/cara.pdf - [Similar pages](#)

makesampler (Image Processing Toolbox)

... The interpolant argument specifies the interpolating **kernel** that the separable resampler uses. ... cubic', Cubic **interpolation**. 'linear', Linear **interpolation**. ...

www.mathworks.com/access/helpdesk/help/toolbox/images/makesampler.shtml - 15k - [Cached](#) - [Similar pages](#)

Similarity Metric Learning for a Variable-**Kernel** Classifier

... In this paper, it is shown that much better generalization can be obtained by using a variable **interpolation kernel** in combination with conjugate gradient ...

www.cs.ubc.ca/spider/lowe/papers/neural95/neural.html - 5k - [Cached](#) - [Similar pages](#)
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Image Interpolation for Scaling

... For example, the nearest neighbor **kernel** for tripling is [1 1], and the linear **interpolation kernel** is 1/3 [1 2 3 2 1]. Other kernels give different ...

www.cs.wisc.edu/graphics/Courses/cs-638-1999/image_scaling.htm - 11k - Nov 12, 2003 - [Cached](#) - [Similar pages](#)



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